

5000

#7

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/926,805

DATE: 01/09/2002

TIME: 14:00:49

Input Set : A:\44838.txt

Output Set: N:\CRF3\01082002\I926805.raw

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3 <110> APPLICANT: National Research Council of Canada
 5 <120> TITLE OF INVENTION: Overexpression in Yeast and Plants of a Gene Encoding
 6 Glycerol 3-Phosphate Acyltransferase
 8 <130> FILE REFERENCE: 44838-PT
 10 <140> CURRENT APPLICATION NUMBER: US/09/926,805
 11 <141> CURRENT FILING DATE: 2001-12-21
 13 <150> PRIOR APPLICATION NUMBER: US 60/139788
 14 <151> PRIOR FILING DATE: 1999-06-21
 16 <150> PRIOR APPLICATION NUMBER: US 60/182905
 17 <151> PRIOR FILING DATE: 2000-02-16
 19 <160> NUMBER OF SEQ ID NOS: 10
 21 <170> SOFTWARE: PatentIn Ver. 2.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 1671
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Carthamus tinctorius
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 45 aaaagatcaa atacaagaag tttaaaagag atggcctttgc ttttgagggg cggatctaaa 1020
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60 <212> TYPE: DNA

61 <213> ORGANISM: *Carthamus tinctorius*

63 <400> SEQUENCE: 2

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66 gaggagctat atcagaacta caaaaatgca gttctccaaa gtgcggctcc tcatgcagaa 180
67 gatatttgtt tgtcaaacat gcgtgtagcg tttgatcgta tgttcttgga tgtgaaggag 240
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69 ggtcaaaatt atattcggcc tttggtcaat ttcagggaa cttacgttgg caatgtctcc 360
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71 catcaaacag aagcagatcc agctgttatt gccttgatgc ttgaaacaac aaacccccat 480
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76 gatcctatca caaatcagtg gtttcgggca ccgtttgatg ccacttcgct tgacaacatg 780
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81 tgtgaacaat acaaggtgct acattctgcg gtacatggag gaaaagggtt agaagcatca 1080
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84 <210> SEQ ID NO: 3

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86 <212> TYPE: DNA

87 <213> ORGANISM: *Carthamus tinctorius*

89 <400> SEQUENCE: 3

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92 gaggagctat atcagaacta caaaaatgca gttctccaaa gtgcggctcc tcatgcagaa 180
93 gatatttgtt tgtcaaacat gcgtgtagcg tttgatcgta tgttcttgga tgtgaaggag 240
94 ccgtttgaat tttcaccata tcatgaagct attttggaa cttttaacta ctatatgttt 300
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98 atttctgaga acataatcta cgtggcaggg gatagagtaa taacagatcc tctttgcaag 540
99 cctttcagca tgggaaggaa tctgtttgta gtgtattcaa aaaagcatat gaatgatgtt 600
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101 cttttgaggg gcggatctaa aataatattg attgcgccaa gtggtggcag ggacaggcca 720
102 gatcctatca caaatcagtg gtttcgggca ccgtttgatg ccacttcgct tgacaacatg 780
103 agaaggctcg tggaccatgc tggtttggtg ggtcacatat atcctttagc catattgtgc 840
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112 <212> TYPE: DNA

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119 ctctcggtcca attatgtacg ttttacggta caactcgaaa gcagatttgc tgacgttgcg 240
120 cgcccagtggt ctggcacatg acttgccctga cccgttagag ccgctggaaa tcgacggcac 300
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127 ctttgcctgt caacgtctgg ctgccgtagg cccacgtttg cctgctcgtc aggatctgtt 720
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161 <212> TYPE: DNA
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210 <212> TYPE: PRT

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213 <400> SEQUENCE: 6

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223 Ser Pro Ser Ser Ser Pro Ser Ser Ala Phe Thr Pro Pro Leu Ser Ser
224          50          55          60
226 Ser Arg Leu Arg Pro Ile Leu Arg Gly Phe Pro Cys Leu Ala Phe Ser
227 65          70          75          80
229 Ala Pro Ala Asn Ala Ala His Gly Thr Ala Glu Thr Val His Gly Asn
230          85          90          95
232 Lys Trp Pro Ser Pro Ser Ser Ser Ser Ala Ala Thr Gln Pro Ser
233          100         105         110
235 Ala Gly Ser Asp His Gly His Ser Arg Thr Phe Ile Asp Ala Arg Ser
236          115         120         125
238 Glu Gln Asp Leu Leu Ser Gly Ile Gln Arg Glu Leu Glu Ala Gly Thr
239          130         135         140
241 Leu Pro Lys His Ile Ala Gln Ala Met Glu Glu Leu Tyr Gln Asn Tyr
242 145          150         155         160
244 Lys Asn Ala Val Leu Gln Ser Ala Ala Pro His Ala Glu Asp Ile Val
245          165         170         175
247 Leu Ser Asn Met Arg Val Ala Phe Asp Arg Met Phe Leu Asp Val Lys
248          180         185         190
250 Glu Pro Phe Glu Phe Ser Pro Tyr His Glu Ala Ile Leu Glu Pro Phe
251          195         200         205
253 Asn Tyr Tyr Met Phe Gly Gln Asn Tyr Ile Arg Pro Leu Val Asn Phe
254          210         215         220
256 Arg Glu Ser Tyr Val Gly Asn Val Ser Val Phe Gly Val Met Glu Glu
257 225          230         235         240
259 Gln Leu Lys Gln Gly Asp Asn Val Val Leu Ile Ser Asn His Gln Thr
260          245         250         255
262 Glu Ala Asp Pro Ala Val Ile Ala Leu Met Leu Glu Thr Thr Asn Pro
263          260         265         270
265 His Ile Ser Glu Asn Ile Ile Tyr Val Ala Gly Asp Arg Val Ile Thr
266          275         280         285
268 Asp Pro Leu Cys Lys Pro Phe Ser Met Gly Arg Asn Leu Leu Cys Val
269 290          295         300
271 Tyr Ser Lys Lys His Met Asn Asp Val Pro Glu Leu Ala Glu Met Lys
272 305          310         315         320
274 Lys Arg Ser Asn Thr Arg Ser Leu Lys Glu Met Ala Leu Leu Leu Arg
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277 Gly Gly Ser Lys Ile Ile Trp Ile Ala Pro Ser Gly Gly Arg Asp Arg
278          340         345         350
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281          355         360         365
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VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

US 0992680503P1



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Indexing Officer: KLITTLE - KEVIN LITTLE
Team: OIPEFilingRcptCorrection
Dossier: 09926805

Legal Date: 11-02-2002

No.	Doccode	Number of pages
1	M905	2

Total number of pages: 2

Remarks:

Order of re-scan issued on